

20 December 1957

MEMORANDUM FOR: C/TSS/APD/OB

SUBJECT: Ordering Information for Alwac III-E
Computing System for Photo-Intelligence
Use.

1. The electronic computing system now considered as basic for P.I. use by the Technical Intelligence Branch, D/GP, consists of the following items.

a. One Alwac III-E Digital Computer:
Consisting of arithmetic and control unit, 8,192 word magnetic drum, power supply, control panel, display oscilloscope, flexowriter input-output unit paper tape punch and reader. The computer is to be equipped with the "pre-select" command and one word buffer for operation with that command.

b. One Alwac III-E Console with high-speed paper tape reader and high-speed punch.

c. One Alwac III-E Modified Flexowriter including tape punch and reader, in addition to the one mentioned under item A, above, for off-line program preparation, transcription of output from the high-speed punch, and to serve as a spare in the event of breakdown of the flexowriter on the computer.

d. One Alwac III-E computer spare parts kit.

e. One Alwac diode tester.

f. One Alwac active tester.

All the above items are manufactured by the Alwac Corporation, 13040 South Cerise Avenue, Hawthorne, California.

2. To bring the D/GP computing facility to the level described above, items b and c of paragraph 1 must be acquired, the present 4,096 word memory replaced with an 8,192 word memory on an exchange plus additional cost basis, and the pre-select command and one word buffer added on a field conversion basis.

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3. It should be pointed out in relation to possible compromise of [redacted] that the present 25X1 D/GP facility was acquired on an unclassified contract basis and that the existence of an Alwac installation in CIA is known to many of the other Alwac users. It should also be pointed out that because of slight differences between various "standard" Alwac III-E's it would be desirable that arrangements for additional equipment for the D/GP facility be made through the Washington office of the Alwac Corporation so that they can be worked out on the basis of our particular installation with the local field engineers.

4. For any additional details on the above equipment please contact [redacted].

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ARTHUR C. LUNDAHL
Chief, Photo Intelligence Division

(ORR/D/GP [redacted] lw/20 Dec 57)

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